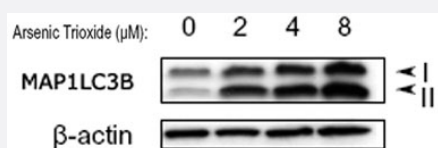


MAP1LC3B polyclonal antibody

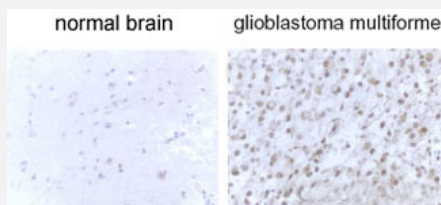
Catalog # PAB12534 Size 100 uL

Applications



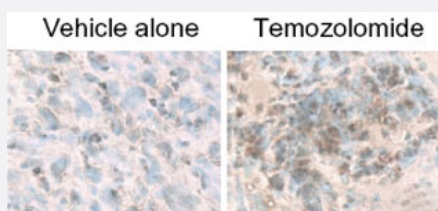
Western Blot (Cell lysate)

Western blot analysis of MAP1LC3B in treated U87 MG (human glioblastoma astrocytoma) lysates using MAP1LC3B polyclonal antibody (Cat # PAB12534).



Immunohistochemistry

LC3B staining of MAP1LC3B in glioblastoma multiform tissue using MAP1LC3B polyclonal antibody (Cat # PAB12534).



Immunohistochemistry

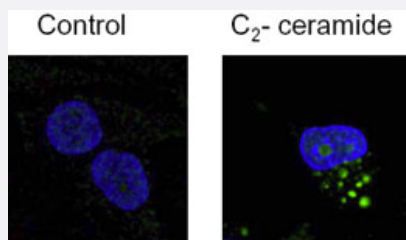
LC3B staining of MAP1LC3B in treated U87-MG cultured & subcutaneous tumors using MAP1LC3B polyclonal antibody (Cat # PAB12534).



Immunohistochemistry

Staining of MAP1LC3B on treated U373-MG (human glioblastoma) cells using MAP1LC3B polyclonal antibody (Cat # PAB12534).

Immunofluorescence



Immunofluorescent staining of MAP1LC3B on treated U373-MG cells using MAP1LC3B polyclonal antibody (Cat # PAB12534). The nuclei were stained with DAPI.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP1LC3B.
Immunogen	A synthetic peptide corresponding to amino acids 1-50 at N-terminus of human MAP1LC3B.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to the B isoform of LC3.
Form	Liquid
Recommend Usage	Flow Cytometry (1:200) Immunocytochemistry (1:2000) Immunofluorescence (1:2000) Immunohistochemistry (Frozen sections) (1:2000) Western Blot (1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

● Western Blot (Cell lysate)

Western blot analysis of MAP1LC3B in treated U87 MG (human glioblastoma astrocytoma) lysates using MAP1LC3B polyclonal antibody (Cat # PAB12534).

- Immunohistochemistry (Frozen sections)

- Immunohistochemistry

LC3B staining of MAP1LC3B in glioblastoma multiform tissue using MAP1LC3B polyclonal antibody (Cat # PAB12534).

- Immunohistochemistry

LC3B staining of MAP1LC3B in treated U87-MG cultured & subcutaneous tumors using MAP1LC3B polyclonal antibody (Cat # PAB12534).

- Immunohistochemistry

Staining of MAP1LC3B on treated U373-MG (human glioblastoma) cells using MAP1LC3B polyclonal antibody (Cat # PAB12534).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescent staining of MAP1LC3B on treated U373-MG cells using MAP1LC3B polyclonal antibody (Cat # PAB12534). The nuclei were stained with DAPI.

- Flow Cytometry

Gene Info — MAP1LC3B

Entrez GeneID [81631](#)

Gene Name MAP1LC3B

Gene Alias LC3B, MAP1A/1BLC3

Gene Description microtubule-associated protein 1 light chain 3 beta

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component. [provided by RefSeq]

Other Designations microtubule-associated proteins 1A/1B light chain 3

Publication Reference

- [The myoblast C2C12 transfected with mutant valosin-containing protein exhibits delayed stress granule resolution on oxidative stress.](#)

Rodriguez-Ortiz CJ, Flores JC, Valenzuela JA, Rodriguez GJ, Zumkehr J, Tran DN, Kimonis VE, Kitazawa M.

The American Journal of Pathology 2016 Apr; 186(6):1623.

Application: WB, IF, Mouse, C2C12 mouse myoblasts

- [Induction of autophagic cell death by a novel molecule is increased by hypoxia.](#)

Tafari M, Schito L, Anwar T, Indelicato M, Sale P, Di Vito M, Morgante E, Beraldi R, Makovec F, Letari O, Caselli G, Spadafora C, Pucci B, Russo MA.

Autophagy 2008 Nov; 4(8):1042.

Application: IF, IP, WB, Human, MDA-MB-231 cells

- [OSU-03012, a novel celecoxib derivative, induces reactive oxygen species-related autophagy in hepatocellular carcinoma.](#)

Gao M, Yeh PY, Lu YS, Hsu CH, Chen KF, Lee WC, Feng WC, Chen CS, Kuo ML, Cheng AL.

Cancer Research 2008 Nov; 68(22):9348.

Application: IF, WB, Human, Huh7 cells

- [Compensatory activation of ERK1/2 in Atg5-deficient mouse embryo fibroblasts suppresses oxidative stress-induced cell death.](#)

Pyo JO, Nah J, Kim HJ, Lee HJ, Heo J, Lee H, Jung YK.

Autophagy 2008 Apr; 4(3):315.

Application: WB-Ce, Mouse, MEF cells

- [Evidence that curcumin suppresses the growth of malignant gliomas in vitro and in vivo through induction of autophagy: role of Akt and extracellular signal-regulated kinase signaling pathways.](#)

Aoki H, Takada Y, Kondo S, Sawaya R, Aggarwal BB, Kondo Y.

Molecular Pharmacology 2007 Jul; 72(1):29.

Application: WB, Human, U373-MG, U87-MG cells